

Northfield No. 2 Single Surfacers (18" x 8" Capacity)



Heavy Built Rugged Removable Center Bed

The Northfield No. 2 Single Surfacers is heavy, well built, and ideal for pattern shops, manual training schools, sash and door work, and furniture plants.

This machine will handle material 18" wide from 1/8" to 8" thick. The simple and efficient variable speed feed is driven by a separate T.E.N.V. 1/3 HP motor. Various feed speeds are transmitted via sprockets and chain to two powered rollers.

The well balanced and fitted cylinder is made of special steel, and mounted in sealed-for-life ball bearings and furnished with four knives.

The bed is well ribbed under the cylinder. Bearings on the main frame are gibbed to take up lost motion. Bed elevating screws mounted on ball bearings make it easy to adjust the depth of the cut.

The standard cylinder head motor is 5 HP T.E.F.C. A 7-1/2 HP motor is available at additional cost. The motor operating at the variable feed is 1/3 HP. Motors can be furnished in 220/440 volts and 550 volt, three phase. A magnetic starter with push-button control is used for the two motors.

Specifications

Size	18" x 8"
Capacity	1/8" to 8"
Motors:	
Head5 or 7-1/2 HP, TEFC
Feed	1/3 HP, TENV
Drive	direct or V-belt
Knives	18-1/8" x 5/32" x 1-1/8"
Head Size	3-1/2" cutting circle
Roller Sizes:	
Upper	2-1/2" diameter
Lower	2-3/4" diameter
Feed Speeds26 to 60 feet per minute
Shortest Stock7-1/2"
Floor Space62" x 42"
Base	Large box-type, three point mounted
Shipping Weight	3100 pounds



Accessories

- Sectional End Feed Roll
- Knife Grinder and Jointing Attachment

Standard Machine & Equipment

NORTHFIELD NO. 2 SINGLE SURFACER, with sealed-for-life ball bearings on cutterhead and rolls; set of high-speed steel knives; four-knife head; corrugated in-feed roll; separate motors for head and for variable feed; double magnetic switch for single push-button control; shavings hood for blower system.

To order please specify horsepower, drive (direct or V-belt), voltage, and accessories if required.



For One-Stop
Ordering
Call Toll Free
1-800-321-3170

Pattern Shop Machinery



Northfield No. 7 Planer/Surfacers

25" x 8-3/4" Capacity

This carefully designed precision built Planer/Surfacers is manufactured with components that offer the user a machine that meets the most demanding and varied needs of today's woodworking production requirements.

The No. 7 is also available with the Northfield Helical Carbide Cutterhead. For lower noise levels and smoother cutting, the cylinder is dynamically balanced, and the 76 replaceable carbide bits are arranged in helical (spiral) rows at 20°. The staggered bit arrangement results in cleaner cuts free of surface ridges and skips.

Specifications

Nominal Size:	
Standard	25" x 8"
Helical head	24" x 8"
Actual Capacity	25" x 8-3/4"
Cylinder	4-1/2" cutting circle, four-knife, high-carbon steel, micrometer-type knife raising screws
Knife Size	5/32" x 1-1/4" x 25" high-speed steel
Motor Drive	Direct or V-belt
Brake	Conveniently located hand brake
Motors (TEFC):	
Cutterhead	5, 7-1/2, 10, or 15 HP
Feed	1-1/2 HP
Voltage	208-220/440 Volt, 60 Hz
RPM:	
Direct motor drive	3600
V-belt	3600 (or to customer's specifications)
Lower Feed Rolls	4" solid steel, power driven, sealed-for-life ball bearings
Upper Feed Rolls:	
Infeed	4" diameter, 2" milled steel sections, 5/16" section yield, 3/4" roll yield, sealed-for-life ball bearings.
Outfeed	4" solid steel, power driven, sealed-for-life ball bearings.
Table Feed Roller Adjustment	.001" to .075"
Feed Speed	. . 20 to 100 lineal feet per minute (higher or lower available in same ratio)
Chipbreaker	Ductile iron, 2" sections, concentric with head
Pressure Bar	Easy adjustment with micrometer type screws
Maximum Stock Width:	
Standard	25"
Helical Head	24"
Shortest Butted Piece	4"
Shortest Single Piece	12"
Maximum Stock Thickness	8-3/4"
Minimum Stock Thickness	1/16"
Maximum Depth of Cut	1/2"
Controls	Double magnetic switch, single pushbutton reversing switch on feed mechanism
Floor Space	62" x 42"
Base	60" x 50"
Shipping Weight	3100 pounds



Accessories

- Shavings Hood
- Knife Grinder and Jointing Attachment
- Helical Carbide Cutterhead
- Dial Type Knife Setting Gauge

Standard Machine & Equipment

NORTHFIELD NO. 7 PLANER/SURFACER, with four power driven 4" feed rollers; safety four-knife cutterhead; sectional infeed roll; adjustable power driven lower feed rolls; cutterhead brake; set of four high-speed steel knives; manual feed speed indicator; motor driven feed mechanism; motors and controls.

To order please specify horsepower, voltage, drive (direct or V-belt), and accessories if required.

NOTE: Northfield also has a No. 8 Planer/Surfacers (31" x 8-3/4" capacity) with either a standard head or the Northfield Helical Carbide Cutterhead with 96 replaceable carbide bits. Available in 7-1/2, 10 or 15 HP (cutterhead) 2 HP (feed) in 208-220/440 volt, 60 cycle in direct motor drive or V-belt drive (to customer's specifications).

Northfield Patternmaker's Jointers



Three Machine Sizes – 12", 16", and 24"

Northfield Patternmaker's Jointers are engineered for accuracy and produce fine quality work. Working surfaces are easily accessible to the operator. Even distribution of weight results in a well balanced, smooth operating machine.

The heavily ribbed and cored frame is cast in three pieces. The two inclines and bed are bolted to legs which are set to provide a wide, three-point floor spread.

Inclines are placed at an angle that permits raising and lowering without interference with the cutterhead.

The cylinder is made from high-carbon steel, accurately machined and dynamically balanced.

The machines are equipped with heavy-duty, sealed-for-life precision ball bearings with overload capacity.

Northfield also has a heavy duty jointer available in 12", 16", and 24" widths and a medium duty jointer available in 8" and 12" widths. Write or call for additional information and specifications.



Accessories

Electric Brake
Knife Grinder and Jointing Attachment

Standard Machine & Equipment

NORTHFIELD 12"- 16"- 24" PATTERNMAKER'S JOINTERS, equipped with one set of high speed steel knives; cutting depth gauge; steel lips; necessary wrenches; motor and controls.

To order please specify jointer size, horsepower, voltage, motor type, phase, and accessories if required.

Specifications

Description	Machine Size (Length of Knives)		
	12"	16"	24"
Knives:			
Size	12" x 1-1/4" x 1/8"	16" x 1-1/4" x 1/8"	24" x 1-1/4" x 5/32"
Number per head	4	4	4
Cutting Circle	4-1/4"	4-1/4"	4-1/2"
Tables:			
Overall length	96"	96"	96"
Rear table-width	17"	21"	27"
Height from floor	32-1/2"	32-1/2"	32-1/2"
Infeed table-tilts	5°	5°	5°
Fence:			
Size	52" x 5-1/2"	52" x 5-1/2"	52" x 5-1/2"
Tilts	45°	45°	45°
Rabbet Depth, Maximum	5/8"	5/8"	3/4"
Motor (TEFC):			
Size	3, 5, 7-1/2, 10 HP	3, 5, 7-1/2, 10 HP	5, 7-1/2, 10 HP
Drives	Direct Motor V-Belt	Direct Motor V-Belt	Direct Motor V-Belt
Cutterhead RPM:			
Direct motor drive	3600	3600	3600
V-belt drive	4500*	4500*	4500*
Guards:			
Front	Included	Included	Included
Rear	Included	Included	Included
Hand Brake	Included**	Included**	Included**
Dust Chute	Included	Included	Included
Rabbeting Arm	Included	Included	Included
Floor Space	34" x 96"	38" x 96"	44" x 96"
Shipping Weight (pounds)	1900	2100	2600

*Or to customer's specifications

**Includes switch to shut off power upon application of hand brake.